

Product datasheet for **MG213048**

Cldn34b4 (NM_001033799) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cldn34b4 (NM_001033799) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cldn34b4
Synonyms:	4930428D18Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG213048 representing NM_001033799 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTTAATCAAAAACGTTGCAATAGCCAAATGGGAGGCTTTGCTTTGACAACTGTGGCTTGCTAATTT
 GCTGTATCTCCATAGGCTTACCTCAGTGGCGTGTGTGGCACTTCCAAGACCCTGTGGTCTTTAAGTCTAC
 CACAGCATTTGTTGGCATGTGGAGAGTCTGTACTCTCCAGTATGATGAGGACTTTAGGAATATGAGAATA
 TGTACCAATACAACATCATGATACCTTCCTTCCATTGAATATCAGAATGATCCAACAATTGCTACTGG
 TCTCTAGCTTTTTTGGACTGGTTGGAAAAGTACCACCATTATTGCCCTTTGGAATGTGTGTCAGGGGAG
 AGTACATAGAAAAGGCCACTTACAATCCATTTGGTCTATCTGGAATTCTGAACATCATTTCTAGCAGCTTT
 ATTTGCCTTGCCATATTGATTAATTATGTATCTATCATATTCCAGGAGGGTATAATATTTCCACCATCTT
 TCAATATACCTTCCCAGCCAGACACTCAGGAAATTGGAAGTGCCATGGCCTTGGCATTATAGCTGCAGT
 TTTATTTCTATTAAGTGGCACAATTTTGCTTACTTCAAATTTTCTGTAGACAAGCCAGTATGTTCTAA
 TAT

ACGCGTACGCGGCGGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >MG213048 representing NM_001033799
Red=Cloning site Green=Tags(s)

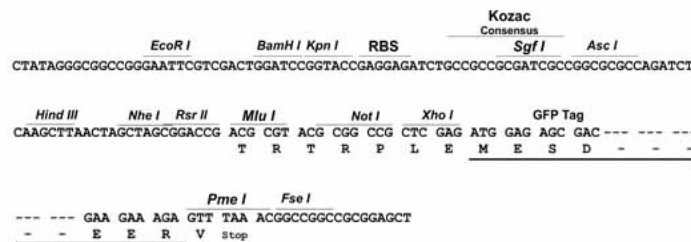
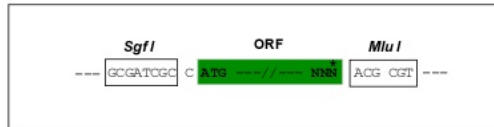
MLIKNRCNSQMGGFALTTVAWLICCSISGLPQWRVWHFQDPVVFKSTTAFVGMWRVCTLQYDEDFRNMRI
CHQYNYHDTFLPLNIRMIQQLLVSSFFGLVGKVTIIALWNVCQGRVHRKATYNPFGLSGILNISSSF
ICLAAILINYVSIIFQEGIIFFPSFNIPSPDQTQEIGSAMALAFIAAVLFLLSGTILLTSNFPVDKPVCSK
Y

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_001033799

ORF Size: 633 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_001033799.2, NP_001028971.1

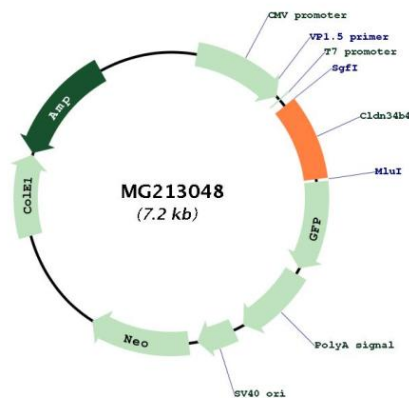
RefSeq Size: 1103 bp

RefSeq ORF: 636 bp

Locus ID: 619294

Cytogenetics: X A7.3

Product images:



Circular map for MG213048